

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
H-0996 (US)APPLICATION NUMBER  
10/816.080LIST OF INFORMATION PROVIDED  
BY APPLICANTAPPLICANT  
Marek Matusz et al

(Use several sheets if necessary)

FILING DATE  
April 1, 2004GROUP ART UNIT  
1625

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
<i>k</i>	AA	US4822900	4/89	Hayden	549	534	
<i>k</i>	AB	US6372925	4/02	Evans et al	549	536	
<i>k</i>	AC	US5262551	11/93	Horrell, Jr. et al	549	534	
<i>k</i>	AD	US5102848	4/92	Soo et al	502	218	
<i>k</i>	AE	US4831162	5/89	Nakajima et al	549	534	
<i>k</i>	AF	US4908343	3/90	Bhasin	502	218	
<i>k</i>	AG	US5387751	2/95	Hayden et al	549	534	
<i>k</i>	AH	US5504053	4/96	Chou et al	502	348	
<i>k</i>	AI	US2279470	4/42	Law et al	260	348	
<i>k</i>	AJ	US3962285	6/76	Cusumano	260	348.5 R	
<i>k</i>	AK	US4055579	10/77	Cocuzza et al	260	348.34	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
<i>k</i>	AL	EP003642	7/84	EP	C07D	301/10		<i>1</i>
<i>k</i>	AM	GB1213483	11/70	GB	C07D	1/14		<i>1</i>
<i>k</i>	AN	WO199858920	12/98	WO	C07D	301/10		<i>1</i>
<i>k</i>	AO	WO200196324	12/01	WO	C07D	301/00		<i>1</i>

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

<i>k</i>	AR	Serafin, JG. et al "Surface, Science & the Silver-Catalyzed" Journal of Molecular Catalysis A :Chemical, Vol. 131, 1998, pgs. 157-168, XP002230219, pg. 162.
<i>k</i>	AS	"Ethylene Oxide Synthesis." by J. M. Berty. Applied Industrial Catalysis, Vol. 1, 1983, ppg. 207-239.
<i>k</i>	AT	"Chlorierte Kohlenwasserstoffe also Inhibitoren in der Tethylenoxid-Synthese Teil 2: Verbrauchsreaktionen von chemisorbiertem Chlor." by Thomas Reib and Gerhard Luft. Chem.-Ing.-Tech. 67 (1995), pp. 589-591. (English translation provided)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified)  LIST OF INFORMATION PROVIDED BY APPLICANT  (Use several sheets if necessary)	ATTY. DOCKET NO. TH-0996 (US)	APPLICATION NUMBER 10/816.080
	APPLICANT Marek Matusz et al	
	FILING DATE April 1, 2004	GROUP ART UNIT 1625

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
<i>k</i>	AA	US6011163	1/00	Barnicki et al	549	534	
<i>k</i>	AB	US4810689	3/89	Hayden	502	347	
<i>k</i>	AC	US5011807	4/91	Hayden et al	502	218	
<i>k</i>	AD	US5155242	10/92	Shankar et al	549	534	
<i>k</i>	AE	US5187140	2/93	Thorsteinson et al	502	348	
<i>k</i>	AF	US6717001	4/04	Evans et al	549	536	
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
<i>k</i>	AL	EP0480538	4/92	EP	B01J	23/89	
<i>k</i>	AM	GB1314613	4/73	GB	C07D	1/08	
<i>k</i>	AN	EP0357292	3/90	EP	C07D	301/10	
<i>k</i>	AO	CA488990	12/52	CA	260	372.7	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
<i>k</i>	AR	Advanced Inorganic Chemistry A Comprehensive Text, F. Albert Cotton and Geoffrey Wilkenson, F.R.S., Interscience Pu. A Division of John Wiley & Sons, New York, London, Sydney (1966), p. 335.
<i>k</i>	AS	Brunauer, S., Emmett, P.Y. and Teller, E., J. Am. Chem. Soc., 60, 309-316 (1938).
<i>k</i>	AT	Reiss, Luft, Chenue Ingenieur Technik (1997), 69(ii), 1638-1641. (English translation provided)

EXAMINER <i>Harmond Conley</i>	DATE CONSIDERED <i>1/17/07</i>
--------------------------------	--------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.

2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TH-0996 (US)APPLICATION NUMBER  
10/816.080LIST OF INFORMATION PROVIDED  
BY APPLICANTAPPLICANT  
Marek Matusz et al

(Use several sheets if necessary)

FILING DATE  
April 1, 2004GROUP ART UNIT  
1625

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>16</i>	AL	EP0266852	5/88	EP	B01J	23/68		
<i>16</i>	AM	EP0299569	1/89	EP	C07D	301/10		
<i>16</i>	AN	EP0352849	1/90	EP	C07D	301/10		
<i>16</i>	AO	EP0425020	5/91	EP	C07D	301/10		

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	
	AS	
	AT	

EXAMINER

*Raymond C. Taylor*

DATE CONSIDERED

*1/17/01*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. TH-0996 (US)	APPLICATION NUMBER 10/816.080
	APPLICANT Marek Matusz et al	
	FILING DATE April 1, 2004	GROUP ART UNIT 1625

LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

REFERENCE DESIGNATION				U.S. PATENT DOCUMENTS			
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
<i>1</i>	AL	EP0496470	7/92	EP	301	10	
<i>16</i>	AM	BEA707567	5/68	BE (English Translation)	C07C		X
<i>16</i>	AN	EP0057066	8/82	EP	C07D	301/10	
<i>16</i>	AO	EP0567273	10/93	EP	C07D	301/10	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
AR	
AS	
AT	

EXAMINER <i>Raymond Cagley</i>	DATE CONSIDERED <i>11/17/07</i>
--------------------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.

2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. TH-0996 (US)	APPLICATION NUMBER 10/816,080
LIST OF INFORMATION PROVIDED BY APPLICANT  (Use several sheets if necessary)	APPLICANT Marek Matusz et al	
	FILING DATE April 1, 2004	GROUP ART UNIT 1625

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
<i>16</i>	AL	EP1458699	9/04	EP	C07D	301/10	<input type="checkbox"/> <input checked="" type="checkbox"/>
<i>16</i>	AM	GB1055147	1/67	GB	C07D	1/14	<input type="checkbox"/> <input checked="" type="checkbox"/>
<i>16</i>	AN	JP2002248351	9/02	JP (Abstract)	C07D	301/10	<input type="checkbox"/> <input checked="" type="checkbox"/>
<i>16</i>	AO	WO199713579	4/97	WO	B01J	23/68	<input type="checkbox"/> <input checked="" type="checkbox"/>

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
AR	
AS	
AT	

EXAMINER <i>Raymond C. C.</i>	DATE CONSIDERED <i>11/17/07</i>
-------------------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.

2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. TH-0996 (US)	APPLICATION NUMBER 10/816.080
	APPLICANT Marek Matusz et al	
	FILING DATE April 1, 2004	GROUP ART UNIT 1625

LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

REFERENCE DESIGNATION				U.S. PATENT DOCUMENTS			
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
<i>h</i>	AL	EP1458698	9/04	EP	C07D	301/10	<input type="checkbox"/> <input checked="" type="checkbox"/>
<i>h</i>	AM	WO1997/28142	8/97	WO	C07D	301/10	<input type="checkbox"/> <input checked="" type="checkbox"/>
<i>h</i>	AN	WO1997/10232	3/97	WO	C07D	301/10	<input type="checkbox"/> <input checked="" type="checkbox"/>
<i>h</i>	AO	AU18818/70	2/27	AU	C07D		<input type="checkbox"/> <input checked="" type="checkbox"/>

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	
	AS	
	AT	

EXAMINER <i>Raymond Conley</i>	DATE CONSIDERED <i>11/17/07</i>
--------------------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. TH-0996 (US)	APPLICATION NUMBER 10/816.080
	APPLICANT Marek Matusz et al	
	FILING DATE April 1, 2004	GROUP ART UNIT 1625

LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
<i>JP</i>	AL	EP0393785	1/95	EP	C07D	301/10	
<i>CA</i>	AM	CA1286687	7/91	CA	C07D	301/10	
	AN						
	AO						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
AR	
AS	
AT	

EXAMINER <i>Raymond Conza</i>	DATE CONSIDERED <i>1/17/07</i>
-------------------------------	--------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.

2. This is not a representation that a search has been made.